



Rabbit Anti-Human CASP9 (Phospho-Ser144) polyclonal antibody (CABT-L3360)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit Anti-Human Cyclin B1 (Phospho-Ser126) polyclonal antibody. This antibody detects endogenous levels of Caspase 9 only when phosphorylated at Ser144.
Specificity	Target Modification: Phospho. Modification Sites: Human: S144
Target	Human Caspase 9 (Phospho-Ser144)
Immunogen	The antiserum was produced against synthesized peptide derived from human Caspase 9 around the phosphorylation site of Ser144. Immunogen range: 110-159
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	WB, IHC, ELISA
Molecular Weight	46 kDa
Preparation	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Format	Liquid

Concentration	Lot specific
Size	100 µl
Buffer	Rabbit IgG in PBS (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl and 50% glycerol.
Preservative	0.02% Sodium Azide
Storage	Stable at -20°C for at least 1 year.
Ship	Wet ice

BACKGROUND

Introduction	<p>This gene encodes a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein can undergo autoproteolytic processing and activation by the apoptosome, a protein complex of cytochrome c and the apoptotic peptidase activating factor 1; this step is thought to be one of the earliest in the caspase activation cascade. This protein is thought to play a central role in apoptosis and to be a tumor suppressor. Alternative splicing results in multiple transcript variants.</p>
Keywords	<p>CASP9;caspase 9, apoptosis-related cysteine peptidase;MCH6;APAF3;APAF-3;PPP1R56;ICE-LAP6;caspase-9;apoptotic protease MCH-6;ICE-like apoptotic protease 6;apoptotic protease activating factor 3;protein phosphatase 1, regulatory subunit 56;</p>

GENE INFORMATION

Gene Name	CASP9 caspase 9, apoptosis-related cysteine peptidase [Homo sapiens (human)]
Official Symbol	CASP9
Synonyms	APAF-3, Apoptotic protease Mch-6, Apoptotic protease activating factor 3, CASP-9, Caspase-9, Caspase-9 precursor, Caspase9, ICE-LAP6, ICE-like apoptotic protease 6, MCH6, RNCASP9
Entrez Gene ID	842
UniProt ID	P55211